



ELSEVIER

Aquatic Toxicology 42 (1998) 331–332

**AQUATIC
TOXICOLOGY**

Contents of *Aquatic Toxicology*, Volume 42

Vol. 42 No. 1

MAY 1998

Y. Morcillo, M.J.J. Ronis and C. Porte (Spain, USA)

Effects of tributyltin on the Phase I testosterone metabolism and steroid titres of the clam *Ruditapes decussata* 1

G.C.M. Grinwis, A. Boonstra, E.J. van den Brandhof, J.A.M.A. Dormans, M. Engelsma, R.V. Kuiper, H. van Loveren, P.W. Wester, M.A. Vaal, A.D. Vethaak and J.G. Vos (The Netherlands)

Short-term toxicity of bis(tri-*n*-butyltin)oxide in flounder (*Platichthys flesus*): Pathology and immune function 15

T. Zhou, P. Weis and J.S. Weis (USA)

Mercury burden in two populations of *Fundulus heteroclitus* after sublethal methylmercury exposure 37

R.A. van Dam, M.J. Barry, J.T. Ahokas and D.A. Holdway (Australia)

Effects of water-borne iron and calcium on the toxicity of diethylenetriamine pentaacetic acid (DTPA) to *Daphnia carinata* 49

L.C. Rai, Y. Husaini and N. Mallick (India)

pH-altered interaction of aluminium and fluoride on nutrient uptake, photosynthesis and other variables of *Chlorella vulgaris* 67

Guide for Authors 85

Vol. 42 No. 2

JUNE 1998

P. Flammarion, B. Migeon, S. Urios, P. Morfin and J. Garric (France)

Effect of methidathion on the cytochrome P-450 1A in the cyprinid fish gudgeon (*Gobio gobio*) 93

J.C. Brodeur, C. Daniel, A.C. Ricard and A. Hontela (Canada)

In vitro response to ACTH of the interrenal tissue of rainbow trout (*Oncorhynchus mykiss*) exposed to cadmium 103

C. Barata, D.J. Baird and S.J. Markich (UK, Australia)

Influence of genetic and environmental factors on the tolerance of *Daphnia magna* Straus to essential and non-essential metals. 115

N.R. Bury, A.D. Newlands, F.B. Eddy and G.A. Codd (UK, France)

In vivo and in vitro intestinal transport of ³H-microcystin-LR, a cyanobacterial toxin, in rainbow trout (*Oncorhynchus mykiss*) 139

V.P. Palace, C.L. Baron and J.F. Klaverkamp (Canada)

An assessment of Ah-inducible phase I and phase II enzymatic activities and oxidative stress indices in adult lake trout (*Salvelinus namaycush*) from Lake Ontario and Lake Superior

149

Vol. 42 No. 3

JULY 1998

E.A. Dyrynda, R.K. Pipe, G.R. Burt, N.A. Ratcliffe (UK)

Modulations in the immune defences of mussels (*Mytilus edulis*) from contaminated sites in the UK

169

J.W. Rijstenbil, F. Dehairs, R. Ehrlich, J.A. Wijnholds (Netherlands, Belgium, Israel)

Effect of the nitrogen status on copper accumulation and pools of metal-binding peptides in the planktonic diatom *Thalassiosira pseudonana*

187

M.F. Wolfe, J.A. Schlosser, G.J.B. Schwartz, S. Singaram, E.E. Mielbrecht, R.S. Tjeerdema, M.L. Sowby (USA)

Influence of dispersants on the bioavailability and trophic transfer of petroleum hydrocarbons to primary levels of a marine food chain

211

J.V.K. Kukkonen, P.F. Landrum (Finland, USA)

Effect of particle-xenobiotic contact time on bioavailability of sediment-associated benzo(a)pyrene to benthic amphipod, *Diporeia* spp

229

Vol. 42 No. 4

AUGUST 1998

G.H. Panter, R.S. Thompson and J.P. Sumpter (UK)

Adverse reproductive effects in male fathead minnows (*Pimephales promelas*) exposed to environmentally relevant concentrations of the natural oestrogens, oestradiol and oestrone

243

C.P. Tataara, M. C. Newman, J.T. McCloskey and P.L. Williams (USA)

Use of ion characteristics to predict relative toxicity of mono-, di- and trivalent metal ions: *Caenorhabditis elegans* LC50

255

H.T. Besselink, E.M.T.E. Flipsen, M.L. Eggens, A.D. Vethaak, J.H. Koeman and A. Brouwer (The Netherlands)

Alterations in plasma and hepatic retinoid levels in flounder (*Platichthys flesus*) after chronic exposure to contaminated harbour sludge in a mesocosm study

271

A.P. van Wezel and M.T.O. Jonker (The Netherlands)

Use of the lethal body burden in the risk quantification of field sediments; influence of temperature and salinity

287

K. Eller-Jessen and J.F. Crivello (USA)

Subcutaneous NaAs³⁺ exposure increases metallothionein mRNA and protein expression in juvenile winter flounder

301

Author Index—Volumes 40–42

321

Keyword Index—Volumes 40–42

327

Contents of Aquatic Toxicology, Volume 42

331